



CALCIUM & MAGNESIUM

7-0-3

- Supports Cell Permeability & Integrity
- 100% Chelated and 100% Soluble
- Perfect 2 to 1 Ratio of Calcium to Magnesium for Optimal Growth

- Rapid Deficiency Correction
- Both Foliar and Root Application
- Natural Sugar-Acid Chelating Agent

GUARANTEED ANALYSIS:

Total Nitrogen (N)	7%
7% Nitrate Nitrogen	
Soluble Potash (K ₂ O)	3%
Calcium (Ca)	4%
4% Chelated Calcium (Ca)	
Magnesium (Mg)	2%
2% Chelated Magnesium (Mg)	
Derived From: Calcium Nitrate, Calcium Glucoheptonate, Magnesium Glucoheptonate, Potassium Nitrate. Chelating Agent: Glucoheptonate.	
Weight per gallon	12.14 lbs.
pH	6

PRODUCT DESCRIPTION:

Cal Mag contains two elements, calcium & magnesium, critical to healthy cannabis plant growth cycle. Calcium plays an important role in the development of strong plant tissue & roots, while magnesium is essential in the process of chlorophyll production and photosynthesis. Important for blooming and flowering as well, Mg encourages strong, healthy veins & stimulus on newly emerging leaves. Cal Mag is the perfect 2:1 ratio, which has great impact on both overall health & yield. Since Ca is not mobile in the plants, it is crucial to maintain proper calcium levels throughout the cannabis life cycle, which can be done with root or foliar applications.

Cal Mag's 100% sugar-acid chelate (glucoheptonate) works fast to correct problematic deficiencies of both Ca & Mg. Calcium & Magnesium often become unavailable in high and acidic pH conditions & revert to insoluble forms. Cal Mag can swiftly alleviate this issue. It can be applied both as a foliar spray or soil drench to avoid deficiencies. Unlike chemical synthetic chelates, it has a near neutral pH of 6, is biodegradable, and is a food source for soil microbes.

Magnesium deficiency can happen in any plant medium & hydroponic system. Magnesium is a nutrient that is



Calcium & Magnesium 7-0-3	Growth Phase	Transition and Early Bloom	Full Bloom
No. of Weeks	1-4	5-7	8-11
Hours of Light	18	12	12
Soil & Soilless Mixes	0.32 fl oz	0.32 fl oz	0.32 fl oz
Hydroponic	0.25 fl oz	0.25 fl oz	0.25 fl oz

Apply weekly, amounts listed are to be added per 1 US Gallon (3.79 liters)

highly mobile within the plant, so it is important to deal with deficiency quickly. Plants have the ability to move Mg from the old leaves to new ones, and when not at sufficient supply, it may rapidly lose many lower leaves, a classic presentation of cannabis Mg deficiency.

APPLICATION & MIXING:

Cal Mag can be applied to all cannabis strains grown outdoors, indoors & hydroponically. For use on all types of growing media such as soil, soilless mixes, Rockwool, coco, & peat moss. It has a near neutral pH of 6, so it will help maintain an optimal pH growing range. It is a true solution & needs no extra mixing. It must first be diluted with water prior to mixing with other nutrients or technical materials. Do NOT mix concentrates together or with highly acidic materials that contain phosphorous. Always fill tank ¾ full with water before adding concentrates. For best results, the pH of your tank mix solution should be in the range of 6 – 7. Cal Mag is ideal for use in any fertigation, irrigation, spray equipment, and drip or hydroponics system.

STORAGE & HANDLING:

Cal Mag should be stored in normal warehouse conditions. Do not store below 32° F. In freezing temperatures, Cal Mag may develop a precipitate which should disappear when returned to a warm temperature. Do not store above 100° F for long periods of time. It is not corrosive. Always store in original container and keep tightly sealed. Refer to SDS for additional information on storage, handling, safety, disposal and shipping.



Marijuana Application Recommendations

Application	Rate	Frequency / Notes
All Strains of Cannabis Grown in Soil or Soilless Mixes, Indoors and Outdoors	Mix 0.32-0.64 fl oz (9-19 ml) per gallon water. For larger applications mix 1-2 quarts per 100 gal water.	Begin applications at early transition to blooming phase and continue through full bloom. Apply every 14 days, as needed if chlorotic symptoms are visible, until two weeks before crop harvest.
	Foliar Spray: Mix 0.32 fl oz (9 ml) per gal water. For larger applications mix 1-2 quarts per 100 gal water.	
Hydroponics and Constant Feed	0.25 fl oz (8 ml) per gallon of water.	Replenish every 7-10 days when water is added or changed.